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#13
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/600,535

DATE: 01/16/2002
TIME: 13:04:13

Input Set : A:\Sim.app
Output Set: N:\CRF3\01162002\I600535.raw

ENTERED

3 <110> APPLICANT: Sims, Peter J.
4 Zhao, Ji
5 Wiedmer, Therese
7 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS TO ALTER TISSUE SUSCEPTIBILITY
8 TO IMMUNE INJURY, TO PROGRAMMED CELL DEATH, AND TO
9 CLEARANCE BY THE RETICULOENDOTHELIAL SYSTEM
11 <130> FILE REFERENCE: 160180.90121
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/600,535
C--> 14 <141> CURRENT FILING DATE: 2000-07-18
16 <160> NUMBER OF SEQ ID NOS: 9
18 <170> SOFTWARE: PatentIn Ver. 2.0
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21 <211> LENGTH: 1445
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
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28 cagaagagga agccatcgcc tggcccccggc tctctggacc ttgtctcgct cgggagccgga 180
29 aacagcggca gccagagaac tggtttaaatc atggacaaac aaaactcaca gatgaatgt 240
30 tctcacccggaa aacaaactt gccagttggg tattcctcctc agtatccacc gacagcattc 300
31 caaggacctc caggatatacg tggctaccct gggccccagg tcagctaccc acccccacca 360
32 gccggccatt caggccttgg cccagctggc tttcctgtcc caaatcagcc agtgtataat 420
33 cagccagttataatcagcc agttggagct gcaggggtac catggatgcc agcgccacag 480
34 cttccattaa actgtccacc tggattagaa tatttaagtc agatagatca gatactgatt 540
35 catcagcaaa ttgaacttctt ggaagttta acagggtttt aaactaataaa caaatatgaa 600
36 attaagaaca gctttggaca gagggtttac tttgcagcgg aagatactga ttgctgtacc 660
37 cgaaattgtt gtggggccatc tagacctttt accttgagga ttattgataa tatgggtcaa 720
38 gaagtcataa ctctggagag accactaaga tgttagcagct gttgtgtcc ctgctgcctt 780
39 caggagatag aaatccaagc tcctccctgggt gtaccaatag gttatgttat tcagacttgg 840
40 cacccatgtc taccaaaatgtt tacaattcaa aatgagaaaa gagaggatgt actaaaaataa 900
41 agtggtccat gtgttgtgtc cagctgttgc ggagatgtt gttttgatgt taaatcttt 960
42 gatgaacagt gtgttgttgg caaaatttcc aagcacttggc ctggaaatttt gagagaggca 1020
43 ttacagacgtt ctgataactt tggaaatccag ttccctttag accttgatgt taaaatgaaa 1080
44 gctgtatgtt ttgggtgcctt tttcccttattt gacttcatgt tttttgaaag cactggcagc 1140
45 caggaacaaa aatcaggagt gtggtagtgg attagtggaaat gtcctctcgtt gaaatctgaa 1200
46 gtctgtatattt tgattgagac tatctaaactt catacctgtt tgaatttgc tgtaaggcct 1260
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48 tataaagggtt ttgttacattttttaataactt cattgtcaat ttgagaaaaaa ggacatatgaa 1380
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53 <211> LENGTH: 318
54 <212> TYPE: PRT
55 <213> ORGANISM: Homo sapiens
57 <400> SEQUENCE: 2
58 Met Asp Lys Gln Asn Ser Asn Met Asn Ala Ser His Pro Glu Thr Asn

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59 1 5 10 15
 61 Leu Pro Val Gly Tyr Pro Pro Asn Tyr Pro Pro Thr Ala Phe Gln Gly
 62 20 25 30
 64 Pro Pro Gly Tyr Ser Gly Tyr Pro Gly Pro Gln Val Ser Tyr Pro Pro
 65 35 40 45
 67 Pro Pro Ala Gly His Ser Gly Pro Gly Pro Ala Gly Phe Pro Val Pro
 68 50 55 60
 70 Asn Gln Pro Val Tyr Asn Gln Pro Val Tyr Asn Gln Pro Val Gly Ala
 71 65 70 75 80
 73 Ala Gly Val Pro Trp Met Pro Ala Pro Gln Pro Pro Leu Asn Cys Pro
 74 85 90 95
 76 Pro Gly Leu Glu Tyr Leu Ser Gln Ile Asp Gln Ile Leu Ile His Gln
 77 100 105 110
 79 Gln Ile Glu Leu Leu Glu Val Leu Thr Gly Phe Glu Thr Asn Asn Lys
 80 115 120 125
 82 Tyr Glu Ile Lys Asn Ser Phe Gly Gln Arg Val Tyr Phe Ala Ala Glu
 83 130 135 140
 85 Asp Thr Asp Cys Cys Thr Arg Asn Cys Cys Gly Pro Ser Arg Pro Phe
 86 145 150 155 160
 88 Thr Leu Arg Ile Ile Asp Asn Met Gly Gln Glu Val Ile Thr Leu Glu
 89 165 170 175
 91 Arg Pro Leu Arg Cys Ser Ser Cys Cys Pro Cys Cys Leu Gln Glu
 92 180 185 190
 94 Ile Glu Ile Gln Ala Pro Pro Gly Val Pro Ile Gly Tyr Val Ile Gln
 95 195 200 205
 97 Thr Trp His Pro Cys Leu Pro Lys Phe Thr Ile Gln Asn Glu Lys Arg
 98 210 215 220
 100 Glu Asp Val Leu Lys Ile Ser Gly Pro Cys Val Val Cys Ser Cys Cys
 101 225 230 235 240
 103 Gly Asp Val Asp Phe Glu Ile Lys Ser Leu Asp Glu Gln Cys Val Val
 104 245 250 255
 106 Gly Lys Ile Ser Lys His Trp Thr Gly Ile Leu Arg Glu Ala Phe Thr
 107 260 265 270
 109 Asp Ala Asp Asn Phe Gly Ile Gln Phe Pro Leu Asp Leu Asp Val Lys
 110 275 280 285
 112 Met Lys Ala Val Met Ile Gly Ala Cys Phe Leu Ile Asp Phe Met Phe
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 115 Phe Glu Ser Thr Gly Ser Gln Glu Gln Lys Ser Gly Val Trp
 116 305 310 315
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 120 <211> LENGTH: 1622
 121 <212> TYPE: DNA
 122 <213> ORGANISM: Mus musculus
 124 <400> SEQUENCE: 3
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 126 acttttagtct agtggagtag tgcagcacct atgcctttct gagaggagtc tggagagctg 120
 127 agtcgctgtc ggtgcttagga ttcttaggaat tcgcctcaact tggagctgca tgagaaaaaga 180
 128 aaggcttgca aatggaggct cctcgctcag gaacataactt gccagctggg tatgcccctc 240
 129 agtatcctcc agcagcagtc caaggacctc cagagcatac tggacgcccc acattccaga 300

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130 ctaactacca agttccccag tctggttatc caggacctca ggctagctac acagtctcaa 360
 131 catctggaca tgaaggttat gctgctacac ggcttcctat tcaaaataat cagactatag 420
 132 tccttgcaaa cactcagtgg atgccagcac caccacctat tctgaactgc ccacctggc 480
 133 tagaataactt aaatcagata gatcagctc tgattcatca gcaagttgaa cttctagaag 540
 134 tcttaaacagg ctttggaaaca aataacaat ttgaaatcaa gaacagcctc gggcagatgg 600
 135 tttatgttgc agtggaaagat actgactgt gtactcgaaa ttgctgtgaa gcgtctagac 660
 136 ctttcacccctt aagaatcctg gatcatctgg gccaagaagt catgactctg gagcgcaccc 720
 137 tgagatgcag tagctgctgc ttcccctgct gcctccagga gatagaatc caggctcctc 780
 138 cgggggtgcc aataggttat gtgactcaga cctggcaccc atgtctgcc aagctcactc 840
 139 ttcagaacga caagaggag aatgttctaa aagtagttgg tccatgtgtt gcatgcacct 900
 140 gctgttcaga tattgacttt gagatcaat ctcttgatga agtactaga attggttaaga 960
 141 tcaccaagca gtggctctgggt tttgtgaaag aggccctcac ggattcggat aactttggga 1020
 142 tccaattccc gctagacctg gaggtgaaaga taaaagctgt gacgcttgggt gcttgcttcc 1080
 143 tcatagatttta catgtttttt gaaggctgtg agtaggaaca gaaatccgac ctgcagtagg 1140
 144 aatcaatgaa agaggacaga gaagatctga agtctacaca aggagatcat atgattgaga 1200
 145 gacctggggc tttttgattt cttcattgaa atttctcaga atcaagctgt tatacatgaa 1260
 146 gcatagatgt taacatttt gtttcaaat ggtagttat cttttacattt attggaatag 1320
 147 acctggataa ttatctttt acacttctaa aaatatgcac caaatcaag ttaaaaaaaaaa 1380
 148 aaagacgaag agaagtgtat gttttaaaat aaaacatttt atggaaaagt aagttaaatc 1440
 149 ataatctggg atttattttt catctttgt tcaattttaa ctttggtagt gctgatttt 1500
 150 ttataaaaattt gtactttact atcaaaccctt gttagttat ttcttacaga aatccctccta 1560
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 155 <211> LENGTH: 307
 156 <212> TYPE: PRT
 157 <213> ORGANISM: Mus musculus
 159 <400> SEQUENCE: 4
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 163 Gln Tyr Pro Pro Ala Ala Val Gln Gly Pro Pro Glu His Thr Gly Arg
 164 20 25 30
 166 Pro Thr Phe Gln Thr Asn Tyr Gln Val Pro Gln Ser Gly Tyr Pro Gly
 167 35 40 45
 169 Pro Gln Ala Ser Tyr Thr Val Ser Thr Ser Gly His Glu Gly Tyr Ala
 170 50 55 60
 172 Ala Thr Arg Leu Pro Ile Gln Asn Asn Gln Thr Ile Val Leu Ala Asn
 173 65 70 75 80
 175 Thr Gln Trp Met Pro Ala Pro Pro Ile Leu Asn Cys Pro Pro Gly
 176 85 90 95
 178 Leu Glu Tyr Leu Asn Gln Ile Asp Gln Leu Leu Ile His Gln Gln Val
 179 100 105 110
 181 Glu Leu Leu Glu Val Leu Thr Gly Phe Glu Thr Asn Asn Lys Phe Glu
 182 115 120 125
 184 Ile Lys Asn Ser Leu Gly Gln Met Val Tyr Val Ala Val Glu Asp Thr
 185 130 135 140
 187 Asp Cys Cys Thr Arg Asn Cys Cys Glu Ala Ser Arg Pro Phe Thr Leu
 188 145 150 155 160
 190 Arg Ile Leu Asp His Leu Gly Gln Glu Val Met Thr Leu Glu Arg Pro

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191	165	170	175	
193	Leu Arg Cys Ser Ser Cys Cys Phe Pro Cys Cys Leu Gln Glu Ile Glu			
194	180	185	190	
196	Ile Gln Ala Pro Pro Gly Val Pro Ile Gly Tyr Val Thr Gln Thr Trp			
197	195	200	205	
199	His Pro Cys Leu Pro Lys Leu Thr Leu Gln Asn Asp Lys Arg Glu Asn			
200	210	215	220	
202	Val Leu Lys Val Val Gly Pro Cys Val Ala Cys Thr Cys Cys Ser Asp			
203	225	230	235	240
205	Ile Asp Phe Glu Ile Lys Ser Leu Asp Glu Val Thr Arg Ile Gly Lys			
206	245	250	255	
208	Ile Thr Lys Gln Trp Ser Gly Cys Val Lys Glu Ala Phe Thr Asp Ser			
209	260	265	270	
211	Asp Asn Phe Gly Ile Gln Phe Pro Leu Asp Leu Glu Val Lys Met Lys			
212	275	280	285	
214	Ala Val Thr Leu Gly Ala Cys Phe Leu Ile Asp Tyr Met Phe Phe Glu			
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222	<211> LENGTH: 14			
223	<212> TYPE: PRT			
224	<213> ORGANISM: Artificial Sequence			
226	<220> FEATURE:			
227	<223> OTHER INFORMATION: Fragment of SEQ ID NO:2			
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235	<211> LENGTH: 39			
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239	<220> FEATURE:			
240	<223> OTHER INFORMATION: Primer for SEQ ID NO:1			
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250	<220> FEATURE:			
251	<223> OTHER INFORMATION: Primer for SEQ ID NO:1			
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262 <223> OTHER INFORMATION: Primer for SEQ ID NO:3
264 <400> SEQUENCE: 8
265 tcagaattcg gatccatgga ggctcctcgc tcaggaac 38
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268 <211> LENGTH: 43
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270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Primer for SEQ ID NO:3
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/600,535

DATE: 01/16/2002
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Input Set : A:\Sim.app
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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date